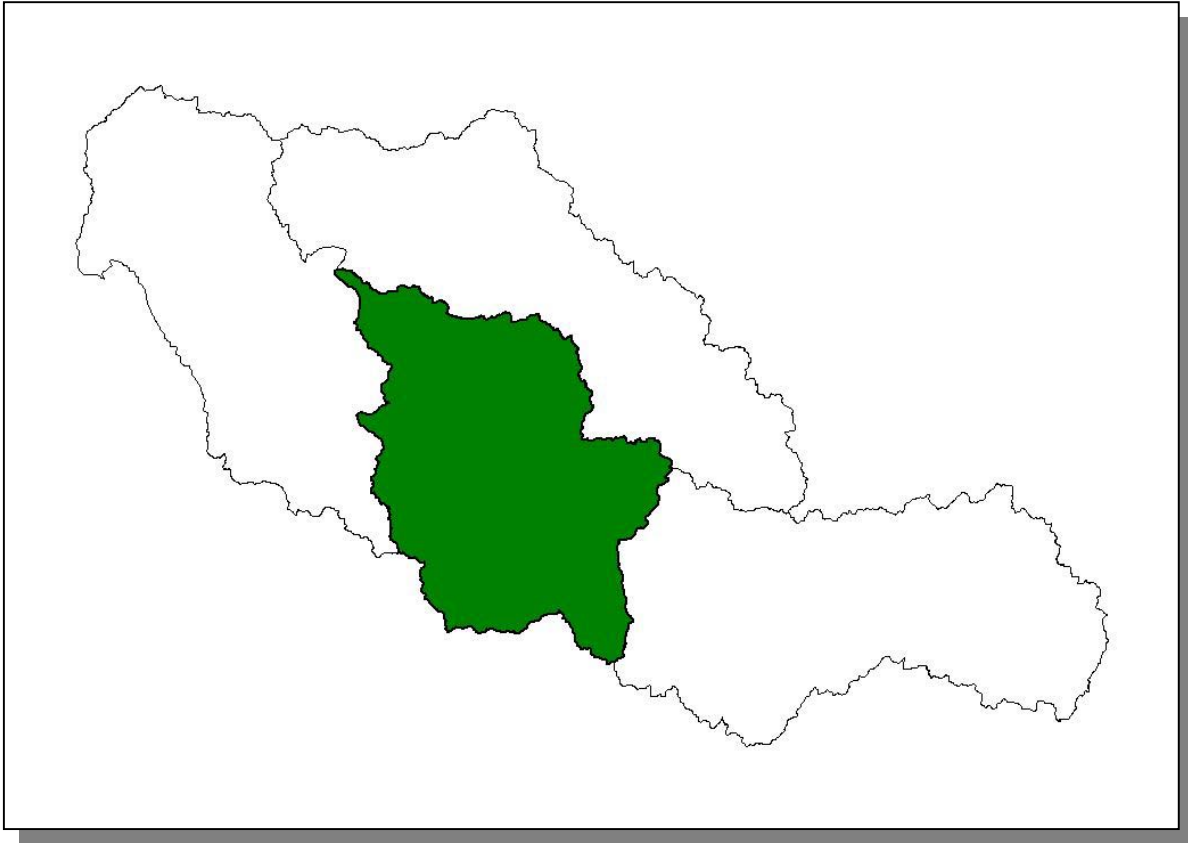
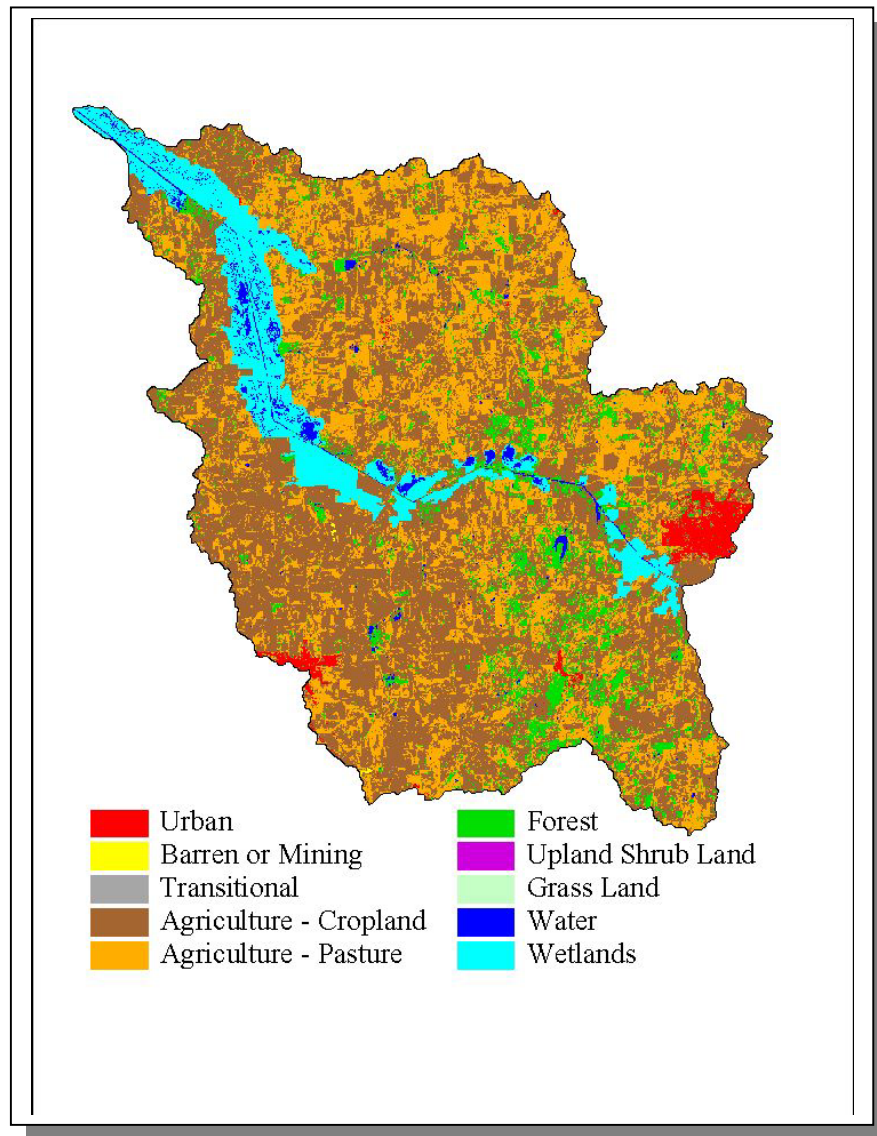


**4.2.B. 0801020402.**

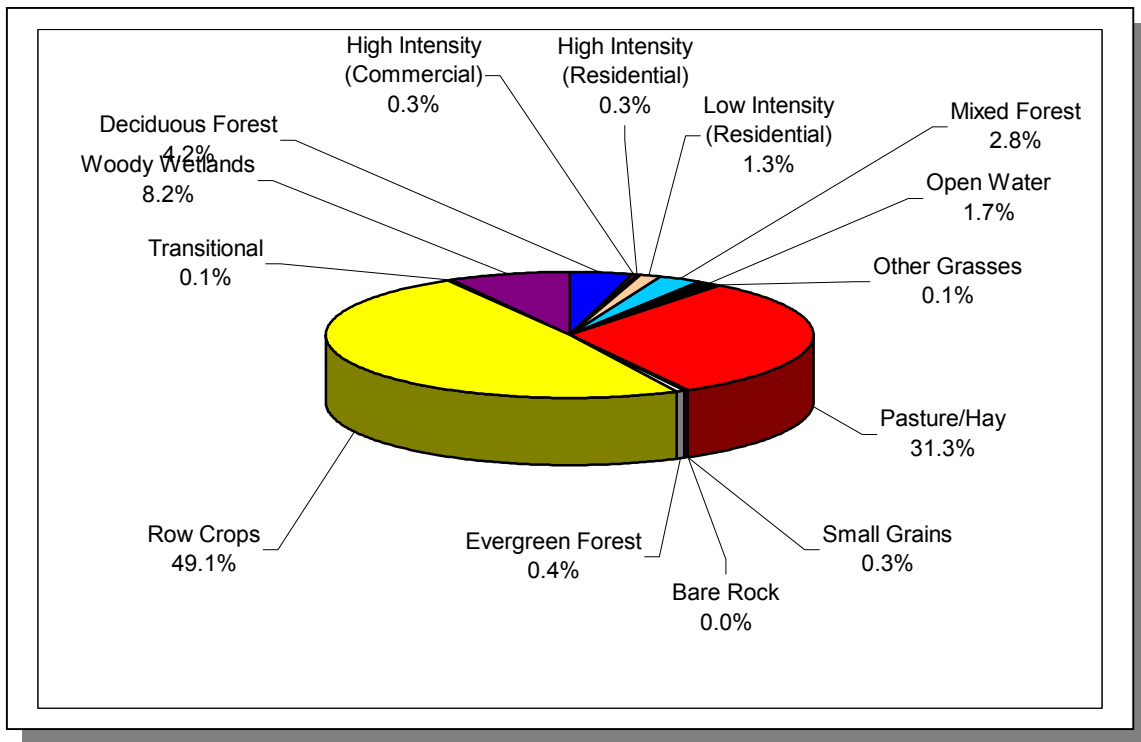


**Figure 4-14. Location of Subwatershed 0801020402.** All North Fork Forked Deer HUC-10 subwatershed boundaries are shown for reference.

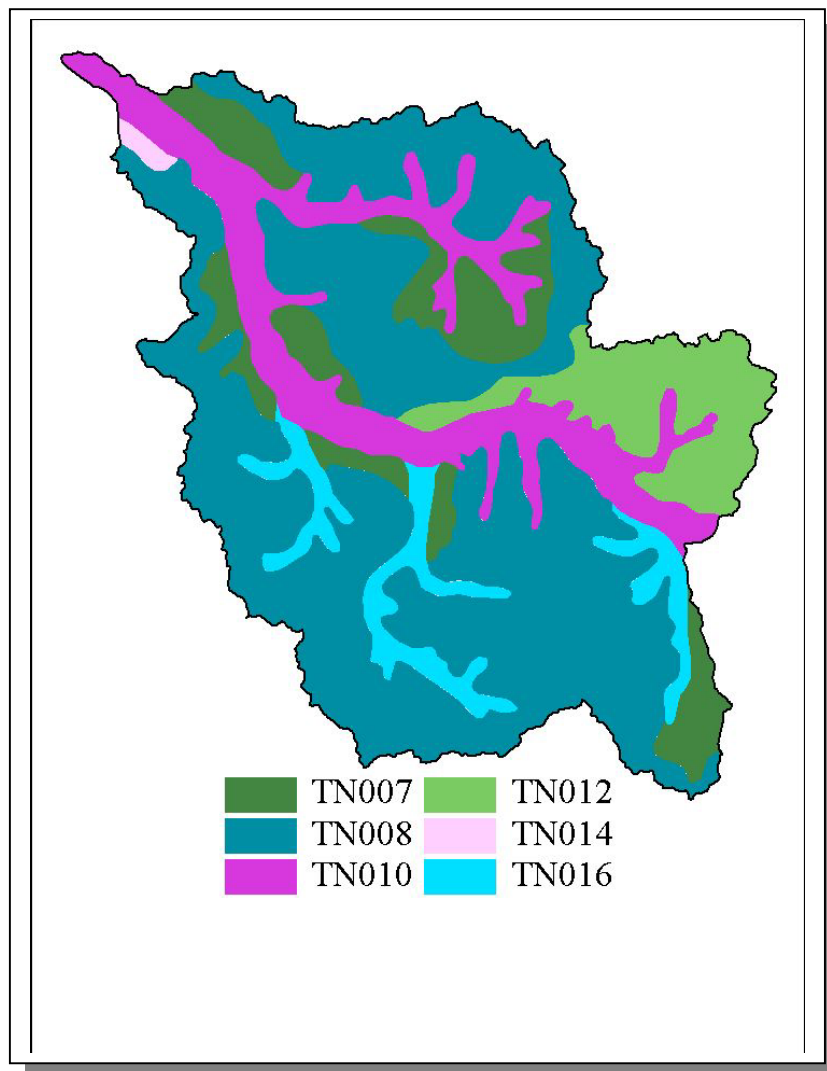
4.2.B.i. General Description.



*Figure 4-15. Illustration of Land Use Distribution in Subwatershed 0801020402.*



**Figure 4-16. Land Use Distribution in Subwatershed 0801020402.** More information is provided in NFFD-Appendix IV.



**Figure 4-17. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0801020402.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN016	0.00	C	1.30	6.47	Silty Loam	0.44

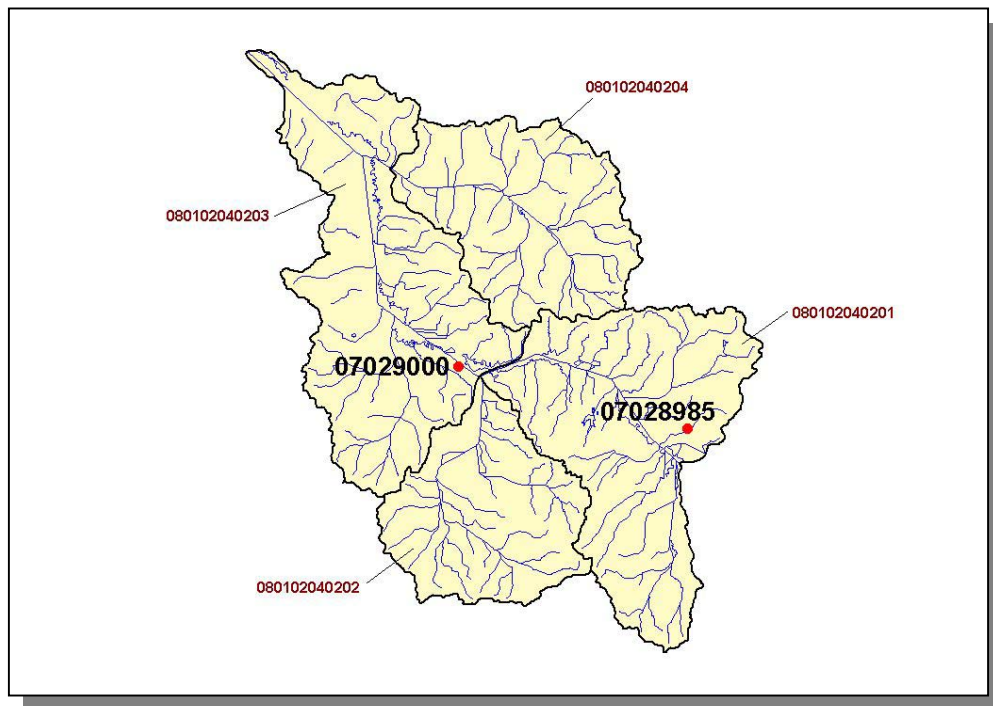
**Table 4-10. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0801020402.** More information is provided in NFFD-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		PERCENT CHANGE
	1990	1997 Est.		1990	1997	
Crockett	13,378	13,841	42.34	5,664	5,860	3.5
Dyer	34,854	36,465	0.13	46	48	4.3
Gibson	46,315	48,083	16.85	7,804	8,102	3.8
Madison	77,982	84,942	1.21	941	1,025	8.9
<b>Total</b>	<b>172,529</b>	<b>183,331</b>		<b>15,455</b>	<b>15,035</b>	<b>4.0</b>

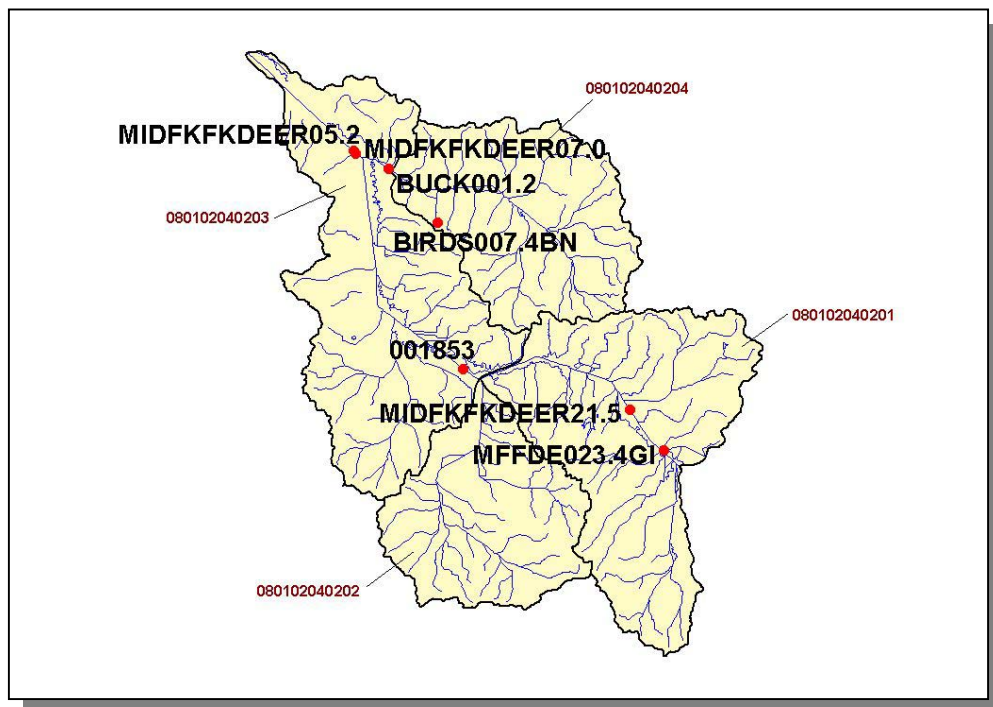
*Table 4-11. Population Estimates in Subwatershed 0801020402.*

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Alamo	Crockett	2,400	1,044	1,001	43	0
Bells	Crockett	1,643	676	651	21	4
Gadsden	Crockett	587	219	9	207	3
Humboldt	Gibson	9,634	3,992	3,878	110	4
<b>Total</b>		<b>14,264</b>	<b>5,931</b>	<b>5,539</b>	<b>381</b>	<b>11</b>

*Table 4-12. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0801020402.*

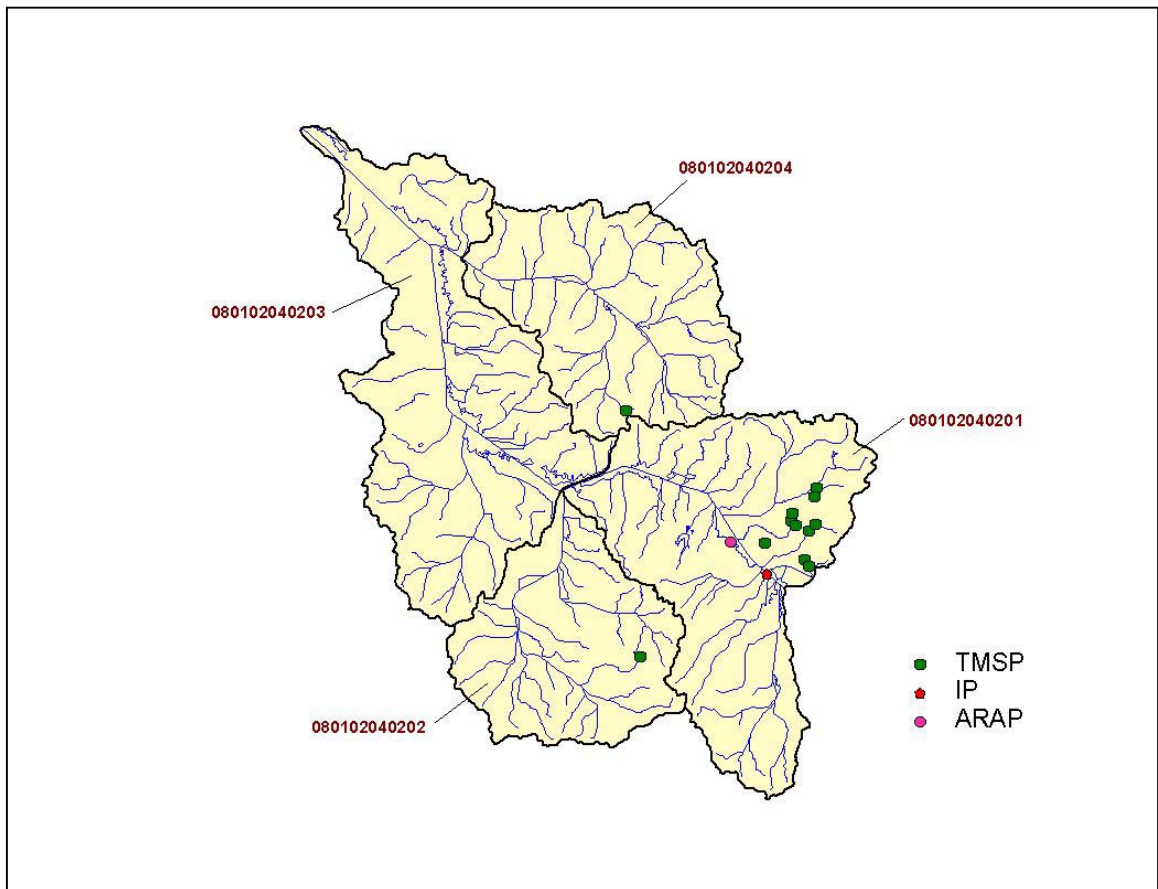


**Figure 4-18. Location of Historical Streamflow Data Collection Sites in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. More information is provided in NFFD-Appendix IV.



**Figure 4-19. Location of STORET Monitoring Sites in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. More information is provided in NFFD-Appendix IV.

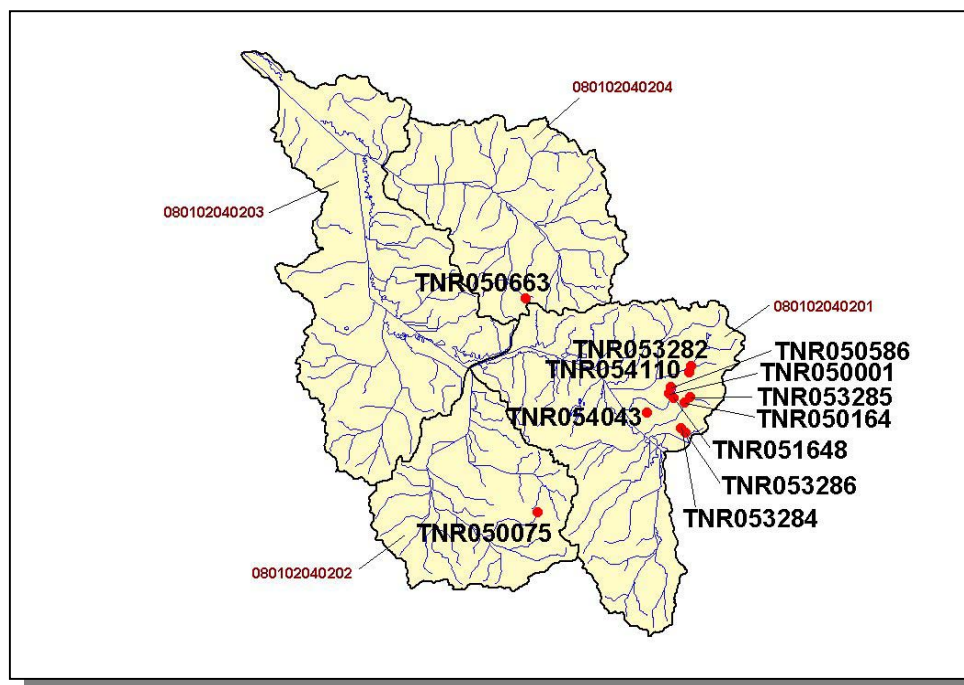
**4.2.B.ii.** Point Source Contributions.



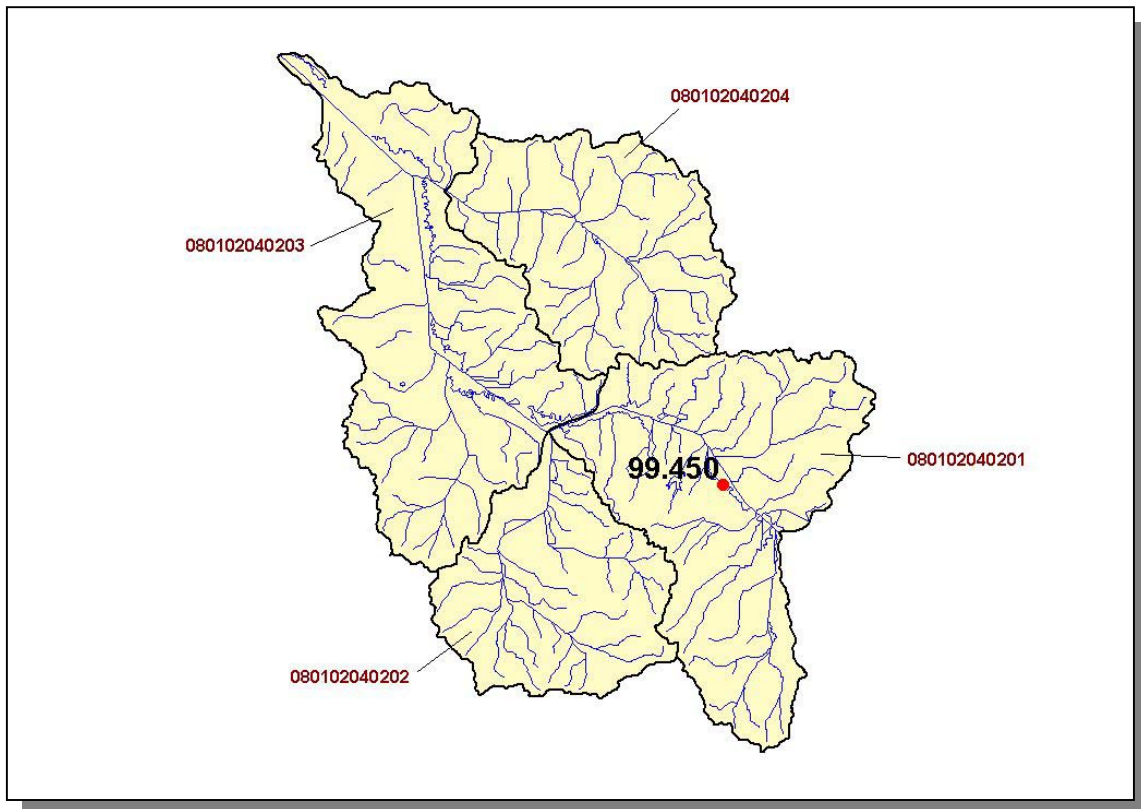
**Figure 4-20. Location of Active Point Source Facilities in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. More information is provided in the following figures.



**Figure 4-21. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. More information, including the names of facilities, is provided in NFFD-Appendix IV.



**Figure 4-22. Location of TMSP Facilities in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. More information, including the names of facilities, is provided in NFFD-Appendix IV.



**Figure 4-23. Location of ARAP Sites (Individual Permits) in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. More information, including the names of facilities, is provided in NFFD-Appendix IV.

**4.2.A.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List**

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 0801020402:

- TN0062588 (Humboldt STP) discharges to Middle Fork Forked Deer River @ RM 23.4



**Figure 4-24. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 0801020402.** Subwatershed 080102040201, 080102040202, 080102040203, and 080102040204 boundaries are shown for reference. The names of facilities are provided in NFFD-Appendix IV.

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0062588	48.60	48.93	49.77	47.05	2.60000

**Table 4-13. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0801020402.** Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	CBOD <sub>5</sub>	pH	WET	NH <sub>3</sub>	CN	FECAL	TRC	SETTLEABLE SOLIDS	TSS	DO
TN0062588	X	X	X	X	X	X	X	X	X	X

**Table 4-14. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0801020402.** CBOD<sub>5</sub>, Carbonaceous Biochemical Oxygen Demand (5-Day); WET, Whole Effluent Toxicity; TRC, Total Residual Chlorine; TSS, Total Suspended Solids; DO, Dissolved Oxygen.

**4.2.B.iii.** Nonpoint Source Contributions.

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
3,237	6,816	42	7	0	1,576	30

Table 4-15. Summary of Livestock Count Estimates in Subwatershed 0801020402. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Crockett	15.1	15.1	0.3	1.6
Dyer	40.4	40.4	0.8	2.8
Gibson	36.4	36.4	2.0	8.6
Total	91.9	91.9	3.1	13.0

**Table 4-16. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0801020402.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Grass (Hayland)	0.35
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Corn (Row Crops)	7.66
Soybeans (Row Crops)	11.45
Cotton (Row Crops)	15.10
Sorghum (Row Crops)	6.37
Wheat (Close Grown Cropland)	3.56
Oats (Close Grown Cropland)	3.34
All Other Close Grown Cropland	0.47
Grass (Pastureland)	0.50
Grass, Forbs, Legumes (Mixed Pasture)	0.62
Other Land in Farms (Other Farmland)	0.70
Conservation Reserve Program Lands	0.54
Other Vegetable and Truck Crops	7.81
All Other Crops not Planted	0.68
Non Agricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.31

**Table 4-17. Annual Estimated Total Soil Loss in Subwatershed 0801020402.**